

# Joanna Western

**window shades**

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**multi-stop rollers**

**JOANNA WESTERN MILLS COMPANY**

*World's Largest Manufacturer of Window Shade Products*





# Joanna Western

world's largest  
manufacturer of  
window shade  
products...



From cotton field to finished product, every step in the manufacture of Joanna Western window shades is under complete Joanna Western control to assure utmost quality. Fabrics are woven in our mills at Joanna, South Carolina, while rollers and accessories are manufactured at our Ogdensburg, New York factory. Processing is completed in our extensive, modernly equipped plants at Chicago where facilities for converting fabrics are the most comprehensive in America. Each yard of shade cloth is made by skilled craftsmen, supervised by our competent staff of technicians, and contains the quality matured by our more than half a century of experience.

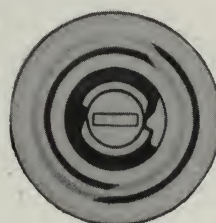
We invite you to consult our Architectural Service Department on any problem of light control. This experienced staff is at your service to assist you in the preparation of specifications and to work out the most practical and efficient means of light control for any situation.

Joanna Western window shades are sold only by authorized local window shade dealers—a reputable specializing contractor in your community. He is an experienced, independent businessman, well qualified to give you expert advice and service. Consult with him on any problem of window shade installation and maintenance. For the name of our dealer in your area write our nearby branch office.

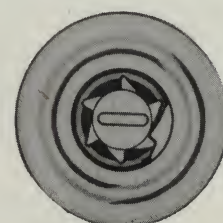
## new multi-stop rollers..

New MULTI-STOP catch and release mechanism, now on all Joanna Western shade rollers, is a major advancement in shade roller design. With conventional old-style rollers it is a tedious chore to align shades on adjacent windows to get a uniform appearance. MULTI-STOP rollers, with 300% more leveling action, overcome this difficulty.

MULTI-STOP's multi-stop ratchet provides six stopping points per revolution where only two are possible with old-style rollers. This new mechanism makes it possible to stop the shade every fraction of an inch throughout the entire length of the window. Shades are easy to adjust and align evenly on all windows. Ease of operation in rolling and unrolling is not affected by the ratchet type mechanism. It provides quicker stopping action and more positive locking of the shade.

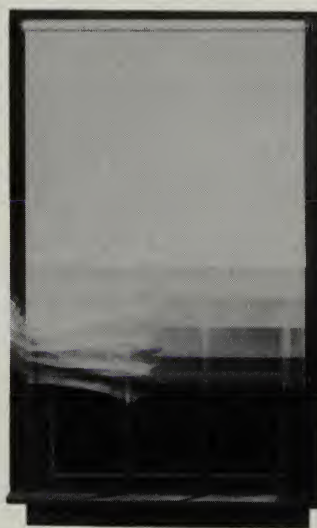


OLD TYPE  
ROLLER



NEW MULTI-STOP  
ROLLER

Multiple exposure photography captures a comparison of the new MULTI-STOP roller with a conventional old-style roller. Note the closer intervals at which the MULTI-STOP roller can be aligned—the greater number of points where the shade can be stopped.





# new Darko positive room darkening equipment

Joanna offers three shade models—especially developed to meet the vital need for better room darkening equipment demanded by today's increased use of visual education. Darko shades permit sharper, clearer picture projection... operate easily and efficiently with minimum maintenance.

All Darko units are adaptable for skylight use.

## DARKO imperial lightproof... model IM-9900

Truly the finest in lightproof, flameproof shades. Made of heavy opaque leatherette... a strong, washable cotton sateen fabric with embossed finish. Coated on both sides with black opaquing pigments. Lightproof shade assembly... complete with side guides, snap lock bottom rail and heavy gauge sheet metal sill channel. Shade is mounted on spring roller. Furnished with oval metal stiffen-

ing braces riveted horizontally across width of cloth at maximum intervals of 30" on center. Rounded edges on housing prevent frictional wear on shade cloth. Light locks, welded to each end, form an adjustable light seal with side guides. Side guides are fully hemmed. When correctly installed, Darko Imperial will not leak light from inside or outside—when viewed at any angle.



### FOR IMPERIAL MODEL ONLY

HOUSING DIMENSIONS			GUIDE DIMENSIONS	
HOUSING SIZE	WIDTH	HEIGHT	GUIDE DEPTH	SHADE WIDTH
2½" square	Up to 72"	Up to 60"	3"	Up to 48"
3"	96"	60"	4"	66"
3"	60"	96"	5"	Over 66"
3½"	96"	96"		
4"	60"	144"		
4½"	96"	144"		



## Darko deluxe... model DE-8800

Offers greatest possible exclusion of light for face or recess mounting. Housing contains shade brackets welded into place... conceals rolled-up shade,

protects from dust, prevents entrance of light. Shade edges travel in side channels to eliminate side light cracks. Lower hem fits into sill channel to prevent bottom leakage. Pulled down shade locks in place with bead chain and stationary clamp. (Optional: metal wind braces across shade to prevent air movement from forcing shade edges out of channel. — at additional cost.)

Shade is made of Heavy Duty Artificial Leather Cloth,

All metal equipment is custom built to specifications from heavy gauge stamped steel, with semi-gloss black finish for minimum light reflectance. All edges are turned and finished smooth to prevent possible damage to shade cloth.

For sizes larger than limits indicated write for information

## Darko standard... model ST-8900

Provides adequate room darkening with a minimum of equipment. Metal head piece fits behind roller to screen light from entering (on recess mounted style only). Face mounted style installs above window opening and does not require head piece. Side channels fit over shade edges to eliminate light cracks at the sides. "Rumple Cloth" apron of extra cloth length folds over bottom of sill to seal out light along the lower edge. Available in three types of quality shade cloths:

**ARTIFICIAL LEATHER** — Described under Deluxe unit. Widths to 96".

**COMMANDER** — Firmly woven cloth Duck with double strength filling threads, coated with black opaque, waterproof, flameproof vinyl. Washable smooth finish. Widths to 65".

**EXLITE** — A new cloth sealed and opaqued with waterproof, flameproof vinyl. Light colored on both sides... so all shades throughout building present a uniform color. Washable 140 count cotton cambric. Colors: White, Eggshell, Ecru, Light Tan. Widths to 77". (Not adaptable with wind brace).





## SHADE CLOTHS

### VIKING... washable, flameproof

Performance, in tens of thousands of windows throughout the world under all types of service conditions, has proven VIKING'S superior service and economy. Even where shades are exposed to constant operation and hard use, replacements are few. VIKING's high tensile cambric construction is unfilled—resists tearing and will not crack or pinhole. Maintenance, too, is small because VIKING is completely washable. Its durable, vinyl finish will withstand many vigorous soap and water scrubblings and years of constant exposure to sun without losing its fresh, colorful appearance. Those who specify VIKING shade cloth not only provide window shades sure to perform dependably and economically for building management, but, also, afford the visual advantages of diffused, glare-free natural light for comfort of building occupants.

### EXLITE... washable, flameproof

For rooms which require darkness in daytime, EXLITE shade cloth provides room darkening without sacrifice of performance or appearance. EXLITE has a tear-resistant cambric base, opaqued with a special lite-proof layer. It does not depend on a heavy "loaded surface" for opacity and, thus, does not require expensive special-duty operating equipment. Both sides are finished in the same light color in all popular color tones. Thus, uniform color can be maintained throughout the entire interior and exterior when function requires only specific rooms be equipped for room darkening. Sealed with a vinyl finish that resists cracking or pinholing, EXLITE can be washed repeatedly with soap and water.

### REGALITE... washable, hand painted

A handsome, completely washable hand painted cambric. Choice of room darkening opaque or translucent... in plain colors (same on both sides) or two-color Duplex Combinations. Available in a complete range of standard decorator colors... or in special matching colors on request—at additional charge. REGALITE can also be treated for flameproofing to meet U. S. Government specifications.

### COMMANDER... washable, flameproof

A hard wearing shade cloth for use where service conditions are extremely severe. Made from select, first quality cotton duck, thoroughly coated with a waterproof, flameproof, vinyl finish. This improved processing retains the desired strength of canvas duck and adds firm body to the fabric for straight hanging without unsightly sags or puckers. Dirt and soil are easy to clean from the vinyl finish with mild soap and water or wallpaper cleaner.

### SERVICE... vat dyed, flameproof

Woven from heavy-duty, two-ply threads, SERVICE cotton duck is a much coarser fabric than that used in standard shadings. Although this construction gives somewhat greater tensile strength, it does not hang as smooth or resist surface dirt accumulation as do smoother finish, more flexible processed shade cloths. Carefully woven for uniform weave, freedom from blemishes and a consistent weight of 8 oz. per sq. yd., SERVICE cotton duck is vat dyed and flameproofed. When specified, shades are attached to metal rollers by a wire spleen through a roller sleeve. This permits complete reversibility.

**\*TRANSLUCENT.** The preferred shading for most windows is the translucent type which allows diffused natural light to enter even when the shade is drawn. Joanna Western gives careful attention to this vital function in the manufacture of its translucent shadings. By withholding bright direct light, translucent type shades permit full advantage of diffused, glare-free, natural light for primary lighting or to supplement artificial light.

**\*\*OPAQUE.** Opaque type shades provide the most practical, economical and efficient means of excluding outside daylight for room darkening in sleeping rooms, sick rooms, areas for movie projection, etc. In addition, Opaque shades assure utmost privacy as they prevent shadows of room occupants showing on the outside. They are recommended wherever darkness in daytime is frequently desirable.

TYPE	COLORS
translucent* Vinyl Cambric	<b>Plain</b> 5, 7, 11, 12, 23, 32, 33, 38, 46, 49, 51, 60, 62, 63, 66, 67, 68  <b>Duplex</b> 5/11, 51/11, 51/46
opaque** Vinyl Cambric	<b>Plain</b> 11, 23, 32, 46, 48  <b>Decorator Duplex Colors</b> Blush Pink/White Horizon Blue/White Jonquil/White Mist Green/White
opaque** or translucent* Hand Painted Cambric	<b>Plain</b> All standard colors plus special matching colors to meet all requirements.  <b>Duplex</b> All standard Duplex combinations plus special request colors.
translucent* Vinyl Coated Duck	<b>Plain</b> Tan Black (Opaque)
translucent* Duck	<b>Plain</b> Tan



THREAD COUNT		WIDTHS UP TO	TESTS
WARP	FILL		
<b>CAMBRIC</b>		77 Inches	<ul style="list-style-type: none"> <li>• Meets all requirements of U. S. Government Specification CCC-C-521b Type IV</li> <li>• 40 hr. fade-o-meter</li> </ul> <b>Excellent</b>
68	72		
<b>CAMBRIC</b>		54 Inches	<ul style="list-style-type: none"> <li>• 40 hr. fade-o-meter</li> <li>• Meets fire resistant requirement of U. S. Government Specification CCC-C-521b</li> </ul> <b>Excellent</b>
68	72		
<b>CAMBRIC</b>		148 Inches	<ul style="list-style-type: none"> <li>• 40 hr. fade-o-meter</li> <li>• When specified: meets U. S. Government fire resistant Specification CCC-C-521b Type I</li> </ul> <b>Good</b>
68	72		
<b>COTTON DUCK</b>		65 Inches	<ul style="list-style-type: none"> <li>• 40 hr. fade-o-meter</li> <li>• Meets fire resistant requirement of U. S. Government Specification CCC-C-521b</li> </ul> <b>Good</b>
84	28 two-ply		
<b>COTTON DUCK</b>		68 Inches	<ul style="list-style-type: none"> <li>• 40 hr. fade-o-meter</li> <li>• Meets fire resistant requirement of U. S. Government Specification CCC-C-521B</li> </ul> <b>Fair</b>
84	28 two-ply		

### COLOR SELECTOR

5 Medium Green	15 Brown	46 Ecru	63 Flax
7 Dove Grey	20 Blue	48 Light Tan	66 Melon
10 Gray	23 Ivory	49 Tan	67 Olive
11 White	32 Eggshell	51 Dark Green	68 Willow
13 Black	33 Peachskin	60 Fawn	
14 Dark Tan	38 Leghorn	62 Sand	

### DUPLEX COLORS

5/11 Medium Green/White	51/11 Dark Green/White
5/46 Medium Green/Ecru	51/46 Dark Green/Ecru

## "STANDARD MULTI-STOP" WINDOW SHADE ROLLERS

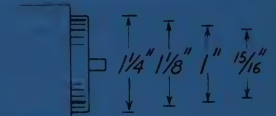
A window shade is only as good as its roller

So important is this item that Joanna Western Mills Company maintains its own spring roller factories at Ogdensburg, New York, to provide reliable operating equipment of a quality comparable to the fine Joanna Western window shades they serve.



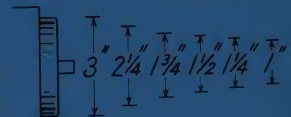
### "STANDARD MULTI-STOP" WOOD ROLLERS

Made from selected, straight grained and thoroughly seasoned white pine, with over-size, finely tempered steel spring. Metal parts are cadmium plated and rustproof. Positive action. The very best *fully guaranteed* window shade roller.



### "STANDARD" METAL ROLLERS

No warp—no sag—specially recommended for larger size shades. This sturdy metal roller will carry a heavier load and wear longer than any other type roller. Wood plug extension allows adjustment in width.



### SCHEDULE OF ROLLER SIZES

The following schedule shows window shade roller sizes recommended for use with the various lengths and widths of window shades most commonly encountered.

Up to and including	Under widths of:		48"	54"	63"	72"
	38"	42"				
6 ft. long	1"W	1"W	1 1/8"W	1 1/4"W	1 1/4"W	1 1/4"W
7 ft. long	1"W	1"W	1 1/8"W	1 1/4"W	1 1/4"W	1 1/4"W
8 ft. long	1"W	1"W	1 1/8"W	1 1/4"W	1 1/4"W	1 1/2"M
9 ft. long	1 1/8"W	1 1/8"W	1 1/8"W	1 1/4"W	1 1/4"W	1 1/2"M
10 ft. long	1 1/8"W	1 1/8"W	1 1/8"W	1 1/4"M	1 1/4"M	1 1/2"M

W—indicates wood roller M—indicates metal roller

**SLATS**—All slats are made of selected white pine. Slats are manufactured to specification and finished to a smooth surface at our own Ogdensburg, New York, roller factory. For institutional use, over-sized slats, the 1 1/4" size, are recommended.

**CORD**—Operating pull cords made of strong, #4 1/2 cord are recommended. This cord is braided from cotton yarns and given a sanitary, dirt-resistant, glazed finish that can be wiped clean of fingermarks. Cord ends are looped and held with metal clasps to prevent frayed ends. Cords are fastened to the bottom slat by snap-on metal fasteners that do not leave a hole through the slat should the cords be removed. (Metal eyelets through which the cord is inserted and knotted are optional.)



## INSTALLATIONS—double shade

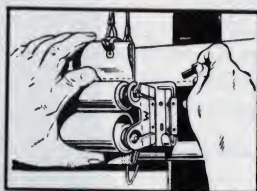
### DIPLOMA... No. DI-7000

A heavy duty installation with special features engineered for ease of operation, trouble-free service and scientific control of light and ventilation make Diploma the most practical window shade installation for all public buildings. Diploma is a double roller installation consisting of an adjustable one piece metal light strip and brackets. Only Joanna Western's Diploma installation includes so many special features for easy operation and rugged use.

• **Side hem reinforcement** prevents hem corner pulling away • **Extended hems** protect against wrinkling • **Two point suspension** firm support for upper shade • **Cloth sleeve for roller** won't pull loose from roller. Shade can be reversed • **Adjustable combination light strip and bracket** telescopes to size—heavy ribbed metal, standard color tan; aluminum or nickel finish at slight additional cost • **Demountable assembly** attached with latch keys • **Standard guaranteed rollers**, smooth rolling, heavy duty • **Oversize slats**, 1 1/4" white pine • **Two pulleys** quiet operating, extra large, rustproof • **Adjustable control cord** corrects level of upper shade • **Glazed cord** strong #4 1/2, sanitary hard glaze finish • **Snap-on cord fasteners** no eyelet to weaken slat • **Cord cleat** secures shade in any position.

The Diploma installation is demountable... draws out of the way for easy window washing, painting or repairs.

The patented Diploma demountable light strip is locked in position with easily removed keys. Pull the keys and the entire assembly swings free from the window.



### CENTER LIGHT STRIP... No. LS-7200





This installation incorporates a telescoping metal light strip with brackets, mounted permanently at the approximate center of the window opening either on the inside or outside window casing. Up-rolling shade has single cord suspension with a single notch roller on constant spring tension. Position of the upper shade is maintained at the desired level by means of a stop pulley at the top of the window. Cords attached to both shades with Snap-on cord fasteners. Wood or metal rollers, 1 1/4" slats, #4 1/2 glazed cord, cord ends looped and metal bound.

### OVER-LAPPING CENTER... No. OC-7300

Two shades are mounted to overlap at the center of the window opening by means of special brackets for mounting on either jambs or face of window casing. Up-rolling shade on constant tension spring roller. Position controlled by stop pulley at top of window. Cords attached with Snap-on cord fasteners, cord ends looped and protected by metal clasps. STANDARD wood or metal rollers, 1 1/4" wood slats, #4 1/2 glazed cord.

### TWO SHADE... No. DS-7800

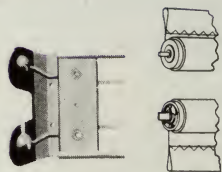
Window is equipped with two single shades, usually one translucent shade, to permit diffused light to enter even when the shade is drawn—and a second shade, usually opaque, to provide periodic room darkening. Brackets are staggered to allow one shade to pass behind the other.

MODEL	USE
<b>DIPLOMA DI-7000</b> 	<p>School classrooms — Special construction overcomes most problems incurred in day-to-day classroom operation.</p> <p>Provides precise control of light and ventilation.</p> <p>Industrial Plants, Offices, Workrooms.</p>
<b>CENTER LIGHT STRIP LS-7200</b> 	<p>Schools, Offices, Factories and Workrooms. Utilizes metal light strip to provide essentially the same precise control of light and ventilation as the Diploma installation. Does not include roller sleeve or reinforcing side hems.</p>
<b>OVER-LAPPING CENTER OC-7300</b> 	<p>School classrooms, Offices, Workroom and Factories.</p> <p>Provides an economical means of exact control of light and ventilation without metal light strip. Advantageous where windows are extra long (permits complete light control using either upper or lower shade.)</p>
<b>TWO SHADE DS-7800</b> 	<p>Homes, Offices, Hospitals, Hotels.</p> <p>Maximum privacy and light control provided to meet varying conditions.</p>



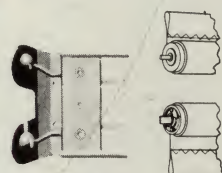
## BRACKETS

## INSTALLATION



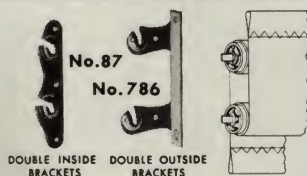
adjustable-to-size,  
metal light strip  
with brackets  
Standard color, Tan.  
Also in Nickel or Aluminum  
finish at extra cost.

Mounts on jambs or face of  
window casing, at point  
approximately midway of  
window opening. Top shade  
pulls up on constant tension  
roller, held in place by cord  
fastening to cleat. Bottom  
shade pulls down on stand-  
ard Multi-Stop spring pow-  
ered shade roller.



adjustable-to-size  
metal light strip  
with brackets  
Standard color, Tan.  
Also in Nickel or Aluminum  
finish at extra cost.

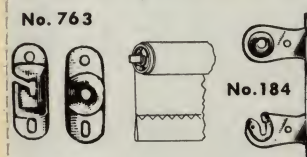
Mounts on jambs or face of  
window casing at mid-  
point. Two-point cord sus-  
pension for up-rolling  
shades optional at slight  
additional cost. Recom-  
mended for shades 54"  
and wider.



Double brackets—inside  
#87 for 15/16"—1"—  
1 1/8"—1 1/4" rollers.  
#89 for 1 1/2"—1 3/4" rollers.

Double brackets—outside  
#786 for 15/16"—1"—  
1 1/8"—1 1/4" rollers.  
#91 for 1 1/2"—1 3/4" rollers.

Mounts on inside face of  
window casing at mid-point.  
For shades 54" and wider,  
two-point suspension on  
upper shade, with locking  
cord cleat, at slight addi-  
tional cost.



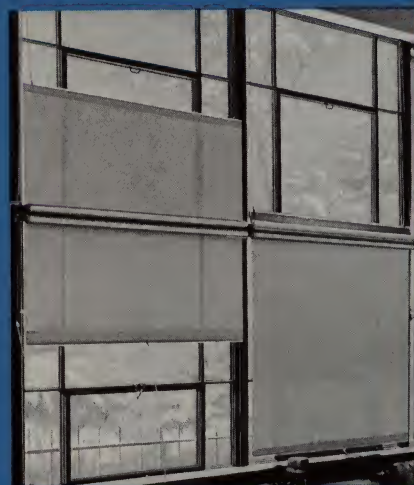
Two shade bracket  
—inside style #763 for  
15/16"—1"—1 1/8"—  
1 1/4" roller.

Two shade bracket—  
outside style #184 for  
15/16"—1"—1 1/8"—  
1 1/4" roller.

Mounts on jambs or face of  
window casing.

Shades usually equipped  
with a rayon ring pull or  
tassel attached to lower  
hem by metal eyelet. Where  
windows are larger, a  
#4 1/2 glazed cord is at-  
tached to hem with Snap-  
on fastener.

## TYPICAL INSTALLATIONS



## DOUBLE SHADE

Joanna's complete selection of shade cloths offers light  
control to any degree—up to room darkening... with  
fabric finishes and colors to meet every service require-  
ment. See pages 4 and 5 for shade cloth descriptions and  
specifications.



## SINGLE SHADE

One shade installations can be mounted to conform to  
existing window conditions... and achieve exact desired  
effects. Examples: Folding Type is ideal where window  
design is such that shade hardware would interfere with  
window operation. A Bottom Up installation is suitable  
where light can be best controlled from the bottom of  
window. The Suspended Assembly solves light control  
problems where windows are exceptionally long. See  
next page for complete details.



## INSTALLATIONS—single shade

### STANDARD SINGLE SHADE... No. SI-7700

### "DIPLOMA" SINGLE SHADE... No. DI-7100

Most commonly used type of installation in homes and many public buildings. Consists of a single "down rolling" shade mounted at the top of the window. For most windows where only single shades are necessary, the Standard installation adequately fulfills all requirements. If unusually severe service conditions are encountered, we recommend the "plus features" of "DIPLOMA" single shade No. DI-7100. With standard inside or outside brackets it offers all the regular "DIPLOMA" "plus features" that provide additional durability and ease of operation.

### FOLDING TYPE... No. FT-7600

This installation employs no roller. The shade folds and unfolds from the top of the window to fully cover the entire opening. It can also be lowered from the top to permit unobstructed opening of the upper sash. The complete adjustment of cloth length and upper slat position are accomplished by one continuous cord passing through stop pulleys at top of window opening and on upper slat. Available only in service DUCK.

### BOTTOM UP... No. BU-7900


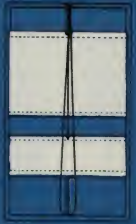



A single shade, usually a light-colored translucent type for good light transmission, is mounted either between the jambs or on the sill by means of special bottom-up brackets. The shade is attached to a single notch, constant-tension spring roller with position controlled by a cord passed through a lock pulley at the head of the window. Cord attached with snap-on fasteners.

### SUSPENDED ASSEMBLY... No. SU-7400

Serves much the same purpose as the double shade-center installation. Permits opening the window at both top and bottom without interfering with air circulation. A wooden header is suspended from the top of the window by cord operating through pulleys. The assembly can be raised or lowered and locked into position by a cord cleat at the side of the window. The shade fits into metal brackets on the under side of the wooden header and may be rolled up and down to cover any desired part of the window opening.

### AUSTRAL WINDOW... No. AU-7500

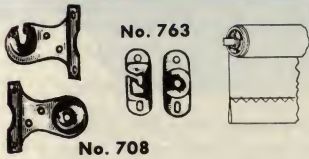
Metal brackets are attached to the individual window section with single notch rollers operating on spring tension. Shades are operated by means of #4½ glazed cord through stop pulleys attached to lower frame of each section. Shades may be supplied either "up-rolling" or "down-rolling." Bracket with lock pulley #2110S extends cord beyond shade roller and in line with bottom pulley so the cord will not rub or bind when passing over the roller.

MODEL	USE
<p>STANDARD SINGLE SHADE No. SI-7700</p> <p>"DIPLOMA" SINGLE SHADE No. DI-7100</p> 	Homes, Schools, Offices, Hospitals, Hotels, Clubs, Apartment and Public Housing.
<p>FOLDING TYPE No. FT-7600</p> 	Recommended where window design is such that shade hardware would interfere with operation of the window.
<p>BOTTOM UP No. BU-7900</p> 	<p>Suitable where light can best be controlled from the bottom of the window—where work tables or desks are close to the window.</p> <p>Provides excellent light control for lower portion of windows only partially shaded by an over hang.</p>
<p>SUSPENDED ASSEMBLY No. SU-7400</p> 	<p>Schools, Workrooms and Factories.</p> <p>Suited for exceptionally long windows where satisfactory light control can be achieved with only partial covering of the window opening.</p>
<p>AUSTRAL WINDOW No. AU-7500</p> 	A special installation for use wherever "Austral" or "Awning" type windows are shaded.



BRACKET

INSTALLATION

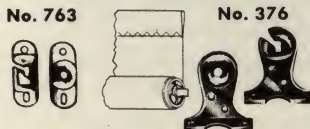


Outside Style #708 for  $1\frac{5}{16}$ "- $1\frac{1}{8}$ "- $1\frac{1}{4}$ " rollers  
#710 for  $1\frac{1}{2}$ "- $1\frac{3}{4}$ "  
Inside Style #763 for  $1\frac{5}{16}$ "- $1\frac{1}{8}$ "- $1\frac{1}{4}$ " rollers  
#764 for  $1\frac{1}{2}$ "- $1\frac{3}{4}$ "

Mounts on the *inside* or *outside* face of the window frame.

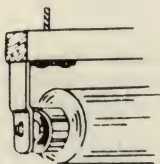


Mounts on the *inside* or *outside* face of the window frame.

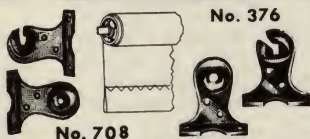


Between Jamb  
#763 for  $1\frac{5}{16}$ "- $1\frac{1}{8}$ "- $1\frac{1}{4}$ " rollers  
Sill Mounted  
#376 for  $1\frac{5}{16}$ "- $1\frac{1}{8}$ "- $1\frac{1}{4}$ " rollers

Mounts on window sill by means of special "bottom-up bracket", or mounted between jambs.



Mounts on face of window head. Where shades are carefully handled, this type of installation is entirely satisfactory, but where service conditions are most demanding we recommend our "DIPLOMA" installation.

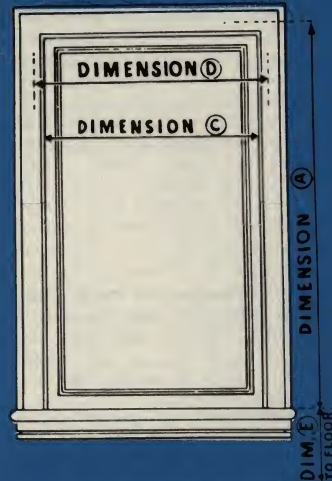


Outside Style (down-rolling shades)  
#708 for  $1\frac{5}{16}$ "- $1\frac{1}{8}$ "- $1\frac{1}{4}$ " rollers  
#710 for  $1\frac{1}{2}$ "- $1\frac{3}{4}$ "  
Bottom-Up (up-rolling shades)  
#376 for  $1\frac{5}{16}$ "- $1\frac{1}{8}$ "- $1\frac{1}{4}$ " rollers

Mounts on face of frame—at top for "down-rolling" shades or at bottom for "up-rolling" shades. Adaptable for use on Awning type windows.

Used with pulley 2110S. See page 10.

SIMPLE MEASURING GUIDE FOR CORRECT INSTALLATION OF NEW WINDOW SHADES

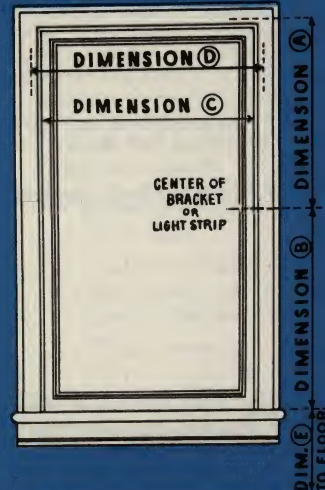


FOR SINGLE SHADES

Dimension (A) from top to sill to points on upper casing or inside casing where brackets are to be placed.

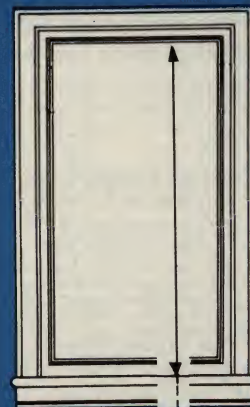
Dimension (C) for inside hanging and (D) for outside hanging represent points on casing where brackets are to be placed.

Dimension (E) is distance from sill to floor.



FOR CENTER INSTALLATIONS

Dimension (B) from top of window sill to center line of brackets (about 3" above or below center of window opening) and (A) from bracket center line to top of window opening—or points on upper casing where pulleys are to be placed. (C) is window opening width, casement to casement, for inside installations. (D) is distance between points on outside casement where brackets are to be attached for outside installations. (E) is distance from sill to floor.



ten inches

QUICK, CORRECT REPLACEMENT SHADE INSTALLATION TIPS

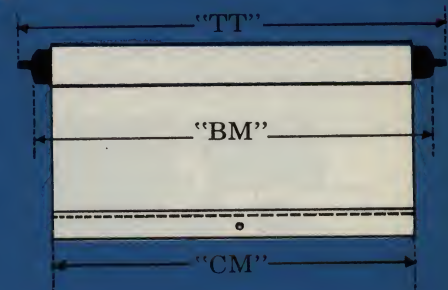
FOR WIDTH (below)

Use any of these methods:

- "TT": measure old roller from tip-to-tip.
- "BM": measure exact length of roller barrel.
- "CM": measure exact width of old cloth.

FOR LENGTH (above)

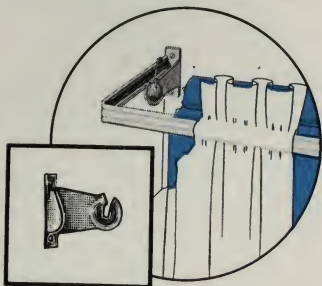
Measure exact height of window opening—and add ten inches.





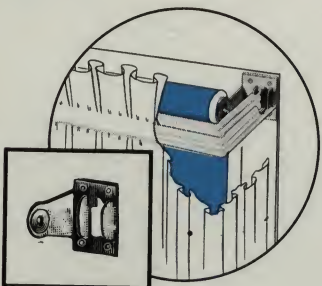
## SPECIAL BRACKETS AND FIXTURES

In addition to the usual type brackets, we supply special types to make installation easy where unusual hanging conditions are encountered. Some of the most commonly used types of combination brackets and special fixtures are shown here. *All special brackets are made to order to fit individual requirements. Give complete specifications and dimensions—extension, size, kind (i.e. wood or metal), and spacing of the screw holes.* These special brackets and fixtures are furnished unpainted—delivery 30 days. Check your plans and specifications carefully to determine if they must be used in place of standard brackets and hanging equipment.



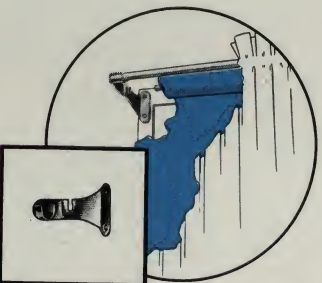
**Combination Shade and Curtain Rod Bracket—Single—No. 967J**

Holds window shade and single flat telescoping curtain rod.



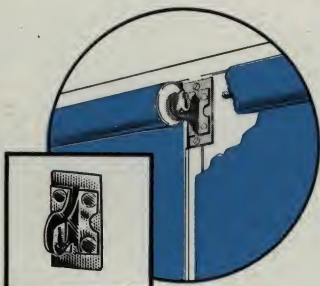
**Combination Shade and Curtain Rod Bracket—Double—No. 968J**

Holds shade and two flat telescoping curtain rods.



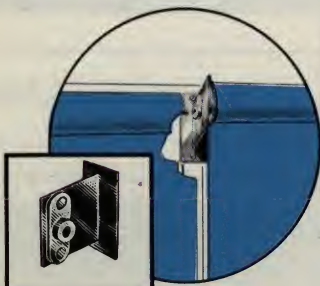
**Combination Shade and Curtain Rod Bracket—Single—No. 969B**

Holds shade and single  $\frac{3}{4}$ " round solid curtain rod.



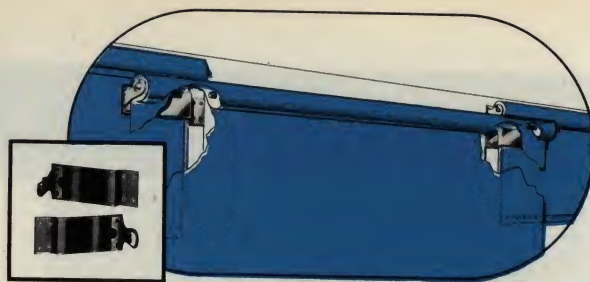
**Bracket Holders For Narrow Mullions on Multiple Windows—No. 21505 Face Mounted Style**

For use where a narrow separating mullion will not accommodate two individual brackets. Two brackets are mounted on a plate, with screw holes centered. Specify screw hole size and brackets.



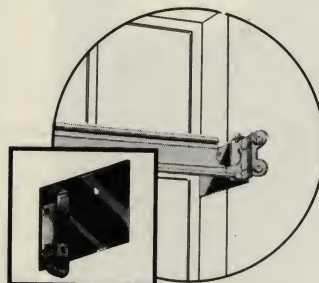
**Bracket Holders For Narrow Mullions on Multiple Windows—No. 2151 Recess Mounted Style**

Standard inside brackets mount on each side of recess. Bracket holder with screw holes centered is mounted with corresponding inside style brackets to mount on narrow center separating mullion. Specify screw hole size and brackets.



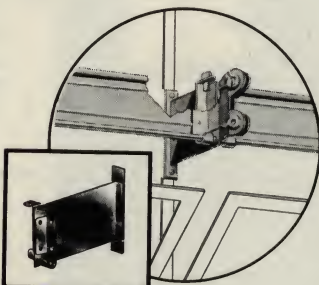
**Overlapping Brackets for Multiple Window Units—No. 2200S**

Where "light cracks" must be avoided and it is impractical to use a single shade, these brackets permit the center shade to overlap the side shades approximately 3 inches. The side shades roll behind the extended center shade.



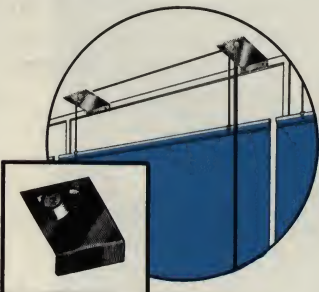
**Extension Plate for Demountable Light Strip—No. 2112S Recess Style**

For use on windows set in recess where conditions demand the light strip with brackets be extended into the room. (Specify exact extension and screw hole size and spacing.)



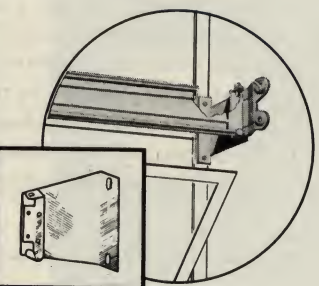
**Extension Plate for Demountable Light Strip for Narrow Mullions on Multiple Windows—No. 2114S**

Accommodates left end of one light strip and right end of second light strip. For use where narrow center mullion separating multiple windows prevents mounting of two light strips or where conditions make it necessary to extend the light strip into the room. Screw holes centered on "T" foot. Specify exact extension and size and spacing of screw holes.



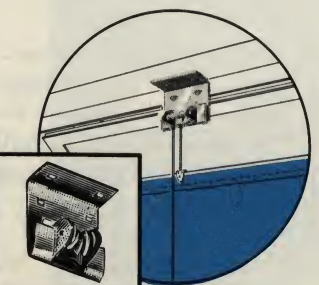
**Extension Plate for Idle Pulley—No. 2111S**

Where hanging conditions require double suspended shade to extend into the room, the pulleys operating the cords for the top shade must extend accordingly. Pulley is mounted on plate with screw holes for attaching to the face of the top casing or under side of top casing. (Specify exact extension, screw hole size and spacing.)



**Extension Plate for Demountable Light Strip—No. 2113S Face Mounted Style**

Holds light strip with brackets where it is necessary to extend the installation into the room. Mounts on face of window casing. In stock with 1", 2", 3", 4" extensions. Distance between oblong screw holes  $3\frac{1}{16}$ ".



**Demountable Pulley Holder—No. 2110S**

Permits pulley to be removed for easy maintenance or repair.

Can also be used for extension plate same as No. 2111S.



## WINDOW SHADE SPECIFICATIONS

**Scope:** The contractor shall furnish all material, labor, and equipment as required for installing window shades on all window or glazed door openings shown on the drawings and/or as herein specified which shall include the following:

### Type of Installation:

(State location of openings to be provided with shades and state the type of installation for the various window openings.)

- \_\_\_\_\_ DIPLOMA No. DI7000 (Page 6)
- \_\_\_\_\_ DOUBLE ROLLER CENTER LIGHT STRIP No. LS 7200 (Page 6)
- \_\_\_\_\_ DOUBLE ROLLER OVERLAPPING CENTER No. OC 7300 (Page 6)
- \_\_\_\_\_ DIPLOMA SINGLE SHADE No. DI 7100 (Page 8)
- \_\_\_\_\_ STANDARD SINGLE SHADE No. SI 7700 (Page 8)
- \_\_\_\_\_ AUSTRAL WINDOW SHADES No. AU 7500 (Page 8)
- \_\_\_\_\_ FOLDING SHADE No. FT 7600 (Page 8)
- \_\_\_\_\_ TWO SHADE No. DS 7800 (Page 6)
- \_\_\_\_\_ BOTTOM-UP No. BU 7900 (Page 8)
- \_\_\_\_\_ SUSPENDED ASSEMBLY SINGLE SHADE No. SU 7400 (Page 8)

### Shades shall be installed:

- \_\_\_\_\_ between jambs
- \_\_\_\_\_ between mullions and jambs
- \_\_\_\_\_ on face of casings
- \_\_\_\_\_ on stop beads

Brackets for wood rollers shall be stamped steel secured to woodwork with wood screws or to metalwork with sheet metal screws in drilled holes.

Brackets for metal rollers shall be stamped steel or cast iron secured in the same manner.

Install shades level and leave in perfect working condition.

### Approved Materials:

(State type of shade cloth material and location.)

All shades are to be made of commercially perfect and first-quality shade cloth as manufactured by Joanna Western Mills Company.

- \_\_\_\_\_ VIKING, translucent, flameproof, vinyl impregnated cambric (Page 4)
- \_\_\_\_\_ EXLITE, room-darkening, flameproof, vinyl impregnated cambric (Page 4)
- \_\_\_\_\_ REGALITE, hand-painted oil finish cambric (Page 4)
- \_\_\_\_\_ SERVICE, flameproof, vat-dyed cotton duck (Page 4)
- \_\_\_\_\_ COMMANDER, flameproof, vinyl coated cotton duck (Page 4)

**Samples:** The contractor shall submit samples of shade material in the various colors for the architect's selection.

Before proceeding with the work, the contractor shall install a sample shade installation at the building for the architect's approval.

All testing of materials to be in accordance with those described in Federal Specification CCC-T-191.

**Measurement and Size:** The contractor shall take accurate measurements of openings at the building and shall note all conditions affecting the shade work specified herein.

Shade cloth for all shades shall be finished 12 inches longer than the actual height of the window opening, measured from head to sill. When installed between jambs, shade cloth shall cover practically full width of roller—to be no wider than 1" less than the tip-to-tip width of the finished roller.

### Rollers: (Indicate which is required.)

\_\_\_\_\_ shades shall be mounted on STANDARD MULTI-STOP guaranteed wood rollers of selected, straight grained and thoroughly seasoned white pine, with oversized, finely tempered steel springs, and (except shades operated by cords and stop pulleys) shall be equipped with catch and release device which will catch and release six or eight times each revolution of the roller. Roller ends and ferrules shall be zinc plated. *Roller diameter shall be in accordance with the manufacturer's schedule of roller sizes and for shades of widths exceeding those specified in the table, the diameter and length of spring shall be increased as necessary for efficient operation and maximum service.* (Page 5)

\_\_\_\_\_ shades shall be mounted on STANDARD metal rollers of such diameter, base metal gauge and form, as to prevent bending, denting or kinking under the usage to which they will be subjected, with reinforced locked seam barrel, spool plates of aluminum or other approved nickel or bronze plated steel, with pawls of brass or other approved non-corrosive metal. *Roller diameter will be in accordance with the manufacturer's schedule of roller sizes, and for shades of widths exceeding those specified in this schedule, the diameter and length of spring shall be increased as necessary for efficient operation and maximum service.*

### Hems: (Indicate which is required.)

- \_\_\_\_\_ Plain sides
- \_\_\_\_\_ Reinforced hems running 4" up the sides from the bottom slat, hems rounded at the top and neatly finished
- \_\_\_\_\_ Roller sleeves

**Slats:** All shades shall be equipped with smooth, tapered, seasoned pine wood slats inserted in the hem,  $\frac{7}{8}$ " wide up to 45" width,  $1\frac{1}{4}$ " wide for shades 45" up to 72" and  $1\frac{1}{2}$ " wide over 72" width.

### Cord and Cord Fasteners:

(Indicate which is required.)

All shades to be equipped with cord of sufficient length to permit the shade to be drawn to top or bottom of the opening (for bottom-up shades, suitable stop pulleys are to be installed). Cord is to be cotton, firmly braided, #4½ glazed finish, color to match shades, with ends looped and protected with metal clasps.

- \_\_\_\_\_ Cord shall be attached to hem, fastened through a stainless metal eyelet in center of slat in bottom hem
- \_\_\_\_\_ Cord shall be attached to hem by means of snap-on cord attachment
- \_\_\_\_\_ Single top hung shade to be furnished with pull cord and ring attached by a stainless metal eyelet, unless otherwise specified

**Shade Mounting:** The complete shade shall be made in a thoroughly workmanship manner. Shade cloth shall be cut square and true and mounted on roller in the same manner, using substantial fasteners. Springs on all rollers adjusted so that shade will operate properly its entire length.

(Indicate which is required.)

- \_\_\_\_\_ SERVICE cotton duck shades are to have roller sleeve, with cloth attached to metal roller with metal spleen to permit reversing of shade
- \_\_\_\_\_ SERVICE cotton duck shades are to be attached to metal roller with mounting clips



# Joanna Western

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